

PP-70

An Overview on Impact of Climate Change on Biodiversity and Its Solutions for Conservation

Gaurav Singh

Technical Expert, Madhya Pradesh State Biodiversity Board, Bhopal, M.P. 462011

E-mail: gauravigntu@gmail.com

Biodiversity is the variation of life at all levels of biological organisation. In present time, biodiversity is destructed by various human activities such as settlement, plantation, poaching, and infrastructure development activities. Conserving the biodiversity is a major phenomenon to any country to keep the balance of environment. Human pressures on ecosystems are causing changes and losses at rates not seen historically. People are changing ecosystems more rapidly and more extensively than over any other period in human history. Climate change adds yet another pressure on natural ecosystems. Today, the commonly used term ‘climate change’ represents any change in climate over time, whether due to natural causes and/or as a result of human activities. Climate change is one of the greatest threats to biodiversity. The impacts of climate change on biodiversity are of major concern to the Convention on Biological Diversity (CBD). Climate change alters entire ecosystems along with all of the plants and animals that live there. It is reducing the ability of indigenous and local communities to sustain traditional, biodiversity-based livelihoods. Climate change is already a reality. Even if all anthropogenic emissions were to stop now, changes would continue into the future. We must, therefore, increase climate change mitigation and adaptation efforts. It is important to conserve biodiversity because of several benefits it offers that are essential to live. Number of measures including enabling policy and legal framework have been put in place to mainstream environment, including biodiversity. This study focused on the biodiversity and climate change. Further, the impacts of climate change on biodiversity and solutions for climate change were also discussed.